I. **OVERVIEW**

The following information will appear in the 2011 - 2012 catalog

**FTECH 301 Incident Command Systems**

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<th>Title</th>
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<tr>
<td>FTECH 301 Incident Command Systems</td>
<td>0.5 - 3 Units</td>
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**Limitations on Enrollment:** Enrollment limited to students who are certified firefighters.

Provides description and detail of the Incident Command System (ICS) organization and operations in supervisory roles on all types of emergency incidents.

**Materials Fee Required**

Student may repeat if required by regulation.

Field trips might be required. (A-F or P/NP - Student choice) Lecture Lecture Lecture Lecture

II. **LEARNING CONTEXT**

Given the following learning context, the student who satisfactorily completes this course should be able to achieve the goals specified in Section III, Desired Learning:

A. **COURSE CONTENT**

1. **Required Content:**

   a. Personnel who assume a supervisory position on an incident.

   b. The rules and responsibilities of a the Single Resource Boss.

      i. Resources needed to conduct an ignition operation.

      ii. Firing techniques

      iii. Implementing an ignition operation with emphasis on safety, coordination, communications, and evaluation.

   c. Crew Boss-Single Resource

      i. Description of the crew boss responsibilities prior to and during mobilization.

      ii. Identification of the hazards and risks on various incidents.

      iii. Description of how to mitigate incident hazards.

   d. Identification and description of the characteristics of fuels, weather, and topography that influence wildland fire behavior.

   e. Description of the interaction of fuels, weather, and topography on wildland fire behavior, fireline tactics, and safety.

   f. Description of the causes of extreme fire behavior (long range spotting, crowning, and fire whirls) developing due to weather, fuels, and/or topography.

2. **Recommended Content:**
a. Task Force/Strike Team Leader All Risk
   i. Pre-deployment responsibilities
      a. Concept of strike team/task force leader
      b. Resource typing standards
      c. ICS resource designation system
   ii. Incident Responsibilities
      a. Administration
      b. Supervision
      c. Coordination with other ICS functional areas
      d. Strike Team/Task Force response
      e. Assignment/Status
      f. Demobilization
   iii. Tactics and Safety
      a. Risk management
      b. Entrapment avoidance
   iv. Tactical Considerations
      a. Wildland/Urban Interface
      b. Urban Search and Rescue
      c. Swiftwater/Floods

b. Division/Group Supervisor
   i. The concepts of a division and group as it relates to the position of Division/Group Supervisor.
   ii. Information gathering
   iii. Briefing
   iv. Personnel management
   v. Risk management
   vi. Internal/External coordination

B. ENROLLMENT RESTRICTIONS
   1. Limitations on Enrollment
Enrollment limited to students who are certified firefighters.

2. **Health and Safety Skills/Restrictions**
   
   Before entering the course, the student must demonstrate the following skill or condition:
   
   a. Demonstrate knowledge of the supervisory position on Incident Command.
   
   b. Identify the rules and responsibilities of a single resource Boss.
   
   c. Define the role of a Task Force/Strike Team Leader.
   
   d. Demonstrate knowledge of Incident Command System 100, 200 and 300.
   
   e. Describe the Tactics and Strategies used with Incident Command.

C. **HOURS AND UNITS**

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D. **METHODS OF INSTRUCTION (TYPICAL)**

Instructors of the course might conduct the course using the following method:

1. Lecture
2. Demonstration

E. **ASSIGNMENTS (TYPICAL)**

1. **EVIDENCE OF APPROPRIATE WORKLOAD FOR COURSE UNITS**

   Time spent on coursework in addition to hours of instruction (lecture hours)
a. Daily study and review of the functional areas and positions of a single resource boss.

b. Daily review of ICS fundamentals, incident/event assessment and agency guidance in establishing incident objectives:
   i. Unified Command
   ii. Incident resource management
   iii. Planning process
   iv. Demobilization
   v. Transfer of command.

c. Daily study of daily fire operations in the Wildland/Urban interface.

d. Daily study and review of the qualifications for the Type 4 Incident Commander.

e. Daily study and review of Task Force/Strike Team Leader All Risk S-330.

f. Daily study and review of supervision concepts necessary to function as an Operations Section Chief.

2. **EVIDENCE OF CRITICAL THINKING**
   
   Assignments require the appropriate level of critical thinking

   a. Identify the hazards and risks throughout Strike Team/Task Forces deployment and describe how to mitigate them.

   b. Implement Strike Team/Task Force Leader responsibilities prior to and during mobilization and demobilization.

   c. Describe the concepts of a division and group as it relates to the position of Division/Group Supervisor.

   d. Discuss assessing incident assignments and determining immediate needs and actions.

   e. Give examples of how to develop fire behavior prediction knowledge and skills.

   f. Explain performing in the role of Division/Group Supervisor and provide instruction in support of the specific tasks.

F. **TEXTS AND OTHER READINGS (TYPICAL)**

      State Fire Training manuals for each module. Training manuals and handouts are from National Wildland Coordinating Group.

III. **DESIZED LEARNING**

A. **COURSE GOAL**

   As a result of satisfactory completion of this course, the student should be prepared to:

   evaluate Incident Command fundamentals, with topics which include coverage of Basic Incident Command System to Advanced ICS, review, incident/event assessment and agency guidance in establishing incident objectives, Unified Command, incident resource management, planning process, demobilization, transfer of command, and close out of the incident.
B. STUDENT LEARNING GOALS
Mastery of the following learning goals will enable the student to achieve the overall course goal.

1. Required Learning Goals
Upon satisfactory completion of this course, the student will be able to:
   a. Command the initial attack at a structure fire.
   b. Explain fire operations in the wildland/urban interface.
   c. Describe the roles of a crew boss at a major incident.
   d. Discuss the intermediate wildland fire (Type 3) behavior and major goals at a Type 3 incident.

2. Recommended Learning Goals
Upon satisfactory completion of the course (when the related recommended content is covered) the student will be able to:
   a. Demonstrate the role of a Task Force/Strike Team Leader.
   b. Describe the role of a Division/Group Supervisor at a major fire incident.

IV. METHODS OF ASSESSMENT (TYPICAL)

A. FORMATIVE ASSESSMENT
   1. Tests as required by California State Fire Training.

B. SUMMATIVE ASSESSMENT
   1. Final exam as required by California State Fire Training.